Fusion Splicer TCW-605

The **TCW-605 Series** adopt high-speed image processing technology and special precision- positioning technology, automatically finish the whole process of fiber fusion in 8 seconds typically, LCD monitor displays all steps of fiber fusion clear at a glance.

Widely used for SM and MM Quartz Fiber with diameter 80-150μm, coating layer diameter 0.1-1.0mm and bare fiber length 16mm more or less.

Ideal tools for construction and maintenance of fiber and cable in both field and laboratory applications.

Support Chinese, Japanese, Germany, Spanish, Russian, Korea, Portuguese, French, Italian, English etc.

Features

- High-resolution true color 5.7 inch LCD display
- The advanced core to core fiber profile alignment system(PAS)
- Real time calibrating system ,parameter needn't be adjusted
- X/Y axes were displayed meanwhile, Magnification up to 304 times
- 8 seconds splicing time, 30 seconds Heat-Shrinking
- Battery capacity was display in real time, precisely
- Built-in high capacity battery, support 220 times splicing and heating, to meet one days' work
- Long Electrode Lifetime, up to 4000 times
- The new wind-cover design, enhance the ability to prevent the dust & wind, Max. wind velocity of 15m/s
- Three Splicing modes: auto, half-auto, manual
- Built-in super high-brightness LED supply convenience for night work
- Auto calculate splicing loss
- Small bulk and light weight, only 2.8kg include battery
- 4000 results Storage
- USB data interface &VGA
- One button operation to finish results download or software update
- Close shield splice automatically, Close heater lid heat automatically
- One year Warranty

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Technical Specifications

Optical Specifications	TCW-605
Fiber Types	Single mode (ITU-T G.652), multimode (ITU-T G.651), dispersion shifted (ITU-T G.653), non-zero dispersion shifted (ITU-T G.655) and other SMF including ITU-T G657 fibers
Average Splicing Loss	0.02dB with G.652, 0.01dB with G.651 and 0.04dB with G.653 and G.655
Splicing Time	Typical splicing time:8s
Heating Time	Typical heating time:30s
Return Loss	60dB or greater
Fiber Coating	100μm to 1000μm
Fiber Cladding	80μm to 150μm
Fiber Cleave Length	8～16mm(coating diameter<250μm), 16mm（coating diameter 250～1000μm）
Program	10 units factory setting SM program, 10 units factory setting MM program, and 30 units user setting SM program,30 units user setting MM program
Align Mode	Advanced profile alignment system(PAS)
Storage	4000 results
Data Transmission	USB port &VGA
Heater	Auto Heat Mode, the typical heating time is 30 seconds
Heat-Shrinkable Tube	40mm，60mm and a series of micro Heat-Shrinkable Tubing
Screen Display	Two CMOS cameras,5.7 inch 640*480 LCD., core of the fiber is clearly visible
Lighting for Construction	Built-in super High-brightness LED supply convenience for night work
Magnifications	Vertical 152times，horizontal 304times
Work mode	Automatic, Half Automatic, Manual
General Specifications	
Power Supply	Alternating Current:100-240 50Hz/60Hz 30W, Direct current:13.5V/4.5A Built in 11.1V Li-ion battery charger and AC adaptor
Battery Life	Support 220 times splicing and heating on one charge(3.5hours) at least
Battery Lifetime	Cycle life up to 300～500 times, replaceable
Tension Test	2N
Electrode Lifetime	>4000 times, replaceable
Operating Temperature	-25℃ ~ 50℃
Storage Temperature	-40℃ ~ 80℃
Relative Humidity	0 to 95％ (non-condensing)
Work Altitude	0~5000 meters
Instrument Weight	2.3kg(no battery), 2.8kg(including battery)
Dimensions(L x W x H)	160mm×150mm×140mm
Package G.W/N.W	8.0/7.0kg
Package (L x W x H)	450mm×350mm×350mm

Note: Specifications subject to change without notice.

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Standard Configuration:

Instrument (Main Body), Fiber Cleaver, Fiber Coat Stripper, Internal Battery, Charger, AC Power Cord, USB Flash Disk, Spare Electrodes (one pair), Cooling Tray, Alcohol Pump Bottle, Blower brush, Carrying Case, User's Manual.

Image Illustration:

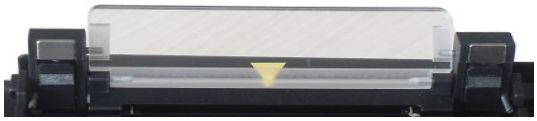
Appearance of Fusion Splicer TCW-605

Top of the Fusion Splicer TCW-605

One button operation to finish results download

One button operation to finish software update

Display X/Y Axes, Splicing Loss, Time, Battery Capacity, Temperature, Humidity



Close heater lid heat automatically

Battery Charge port, USB interface &VGA

V-Groove and Electrodes

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